

CLIPPEDIMAGE= JP407207551A

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TITLE: PRODUCTION OF KNITTED FABRIC HAVING HIGH ELASTIC PROPERTY

PUBN-DATE: August 8, 1995

INVENTOR-INFORMATION:

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ABSTRACT:

PURPOSE: To obtain a high-density knitted fabric having soft touch feeling of surface and excellent stretchability.

CONSTITUTION: Yarn A composed of thermally extensible polyester-based fiber is prepared. The thermally extensible polyester-based fiber is preferably produced by thermally stretching highly oriented undrawn yarn of polyester which has a main repeating unit composed of ethylene terephthalate and 15-45% structure integration parameter at a temperature $\geq 25^{\circ}\text{C}$ higher than the glass transition temperature and heat-treating at a temperature $25-90^{\circ}\text{C}$ lower than the melting point. Besides, yarn B comprising

thermally shrinkable polyester fiber is prepared. Knitting is carried out in such a way that the yarn A is positioned at the outside of knitted stitches by plaiting knitting and the yarn B is arranged inside the knitted stitches. The knitted fabric is dyed, processed and heat-treated during the dyeing and processing.

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